

Name _____ Date _____ Hour _____

Solving Systems of Equations with the Elimination Method Day 3

Use Elimination to solve each system. Check your solution for problems 1 – 4. ☺

$$\begin{array}{l} 1) \quad 4x + 8y = 20 \\ \quad 2y - 4x = -30 \end{array}$$

$$\begin{array}{l} 2) \quad y - 3x = -5 \\ \quad 8x + y = -16 \end{array}$$

Check your solution:

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$$\begin{array}{l} 3) \quad -6a + 6c = 6 \\ \quad -6a + 3c = -12 \end{array}$$

$$\begin{array}{l} 4) \quad 9n - 4m = 9 \\ \quad m - 3n = -6 \end{array}$$

Check your solution:

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$$\begin{array}{rcl} 5) & -4x & - 15y = -17 \\ & 5y & - x = -13 \end{array}$$

$$\begin{array}{rcl} 6) & -6d & - 7e = -10 \\ & 8d & + 14e = 4 \end{array}$$

$$\begin{array}{rcl} 7) & -2y & = 4x + 14 \\ & 10x & + 7y = -25 \end{array}$$

$$\begin{array}{rcl} 8) & y & = 2x + 6 \\ & -4x & + 2y = -6 \end{array}$$

$$\begin{array}{rcl} 9) & 3x & = 2y - 5 \\ & -9x & + 6y = 15 \end{array}$$

$$\begin{array}{rcl} 10) & -14 & = -20d - 7c \\ & 10d & + 4 = 2c \end{array}$$